JOINT
CHIEFS OF STAFF

Introduction to the Joint Capabilities Integration and Development System (JCIDS)

Major General Robin Scott
J-8 / DDFA

Food for Thought . . .

I'LL DESIGN THE SYSTEM AS SOON AS YOU GIVE ME THE USER REQUIREMENTS.
BETTER YET, YOU COULD BUILD THE SYSTEM, THEN I'LL TELL YOUR BOSS THAT IT DOESN'T MEET MY NEEDS.
I DON'T MEAN TO FRIGHTEN YOU, BUT YOU'LL HAVE TO DO SOME ACTUAL WORK.
THAT'S CRAZY TALK.
www.dilbert.com scottadams@aol.com
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Previous Requirements and Acquisition Process

- As a rule, CONOPs and reqmts were Service-focused
- Analysis was primarily threat-based
- Process lacked a construct for Joint analysis “up-front”
- Systems integration tended to be forced in at end game
- Duplication existed, particularly in smaller programs
- Spiral acquisition was not well institutionalized
- Joint warfighting needs were not prioritized

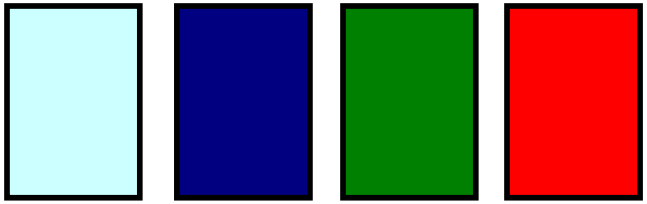
Capability Based Methodology

Requirements Generation System (RGS)

Integrated at Department

Systems

Requirements



Bottom up, stovepiped

Joint Capabilities Integration and Development System (JCIDS)

Strategic Direction

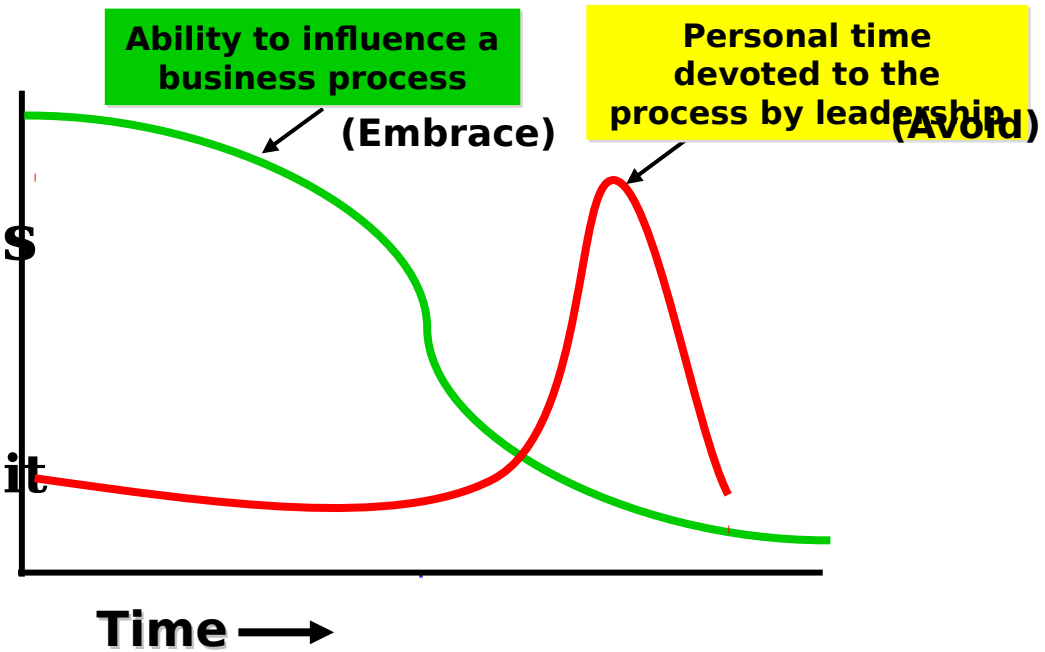
Joint Operations Concepts

Joint / Service Operating Concepts

Joint Capabilities

Joint Capabilities Integration and Development System (JCIDS)

- **Desired Attributes of DOD Decision Process**
  - **Responsive**
  - **Flat**
  - **Involve leaders "when it counts"**
  - **Agree on facts**
- **New 3170.01C**
  - **Top down**
  - **Born "Joint"**
  - **Tees up issues with wider input earlier in the process**

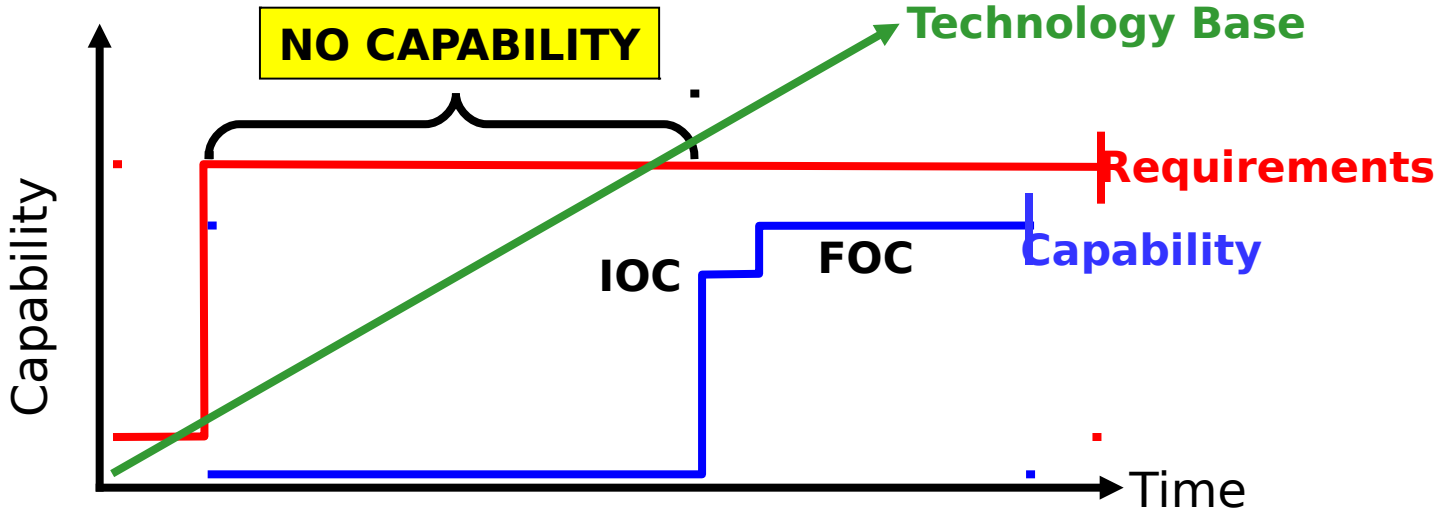


Action Agent:

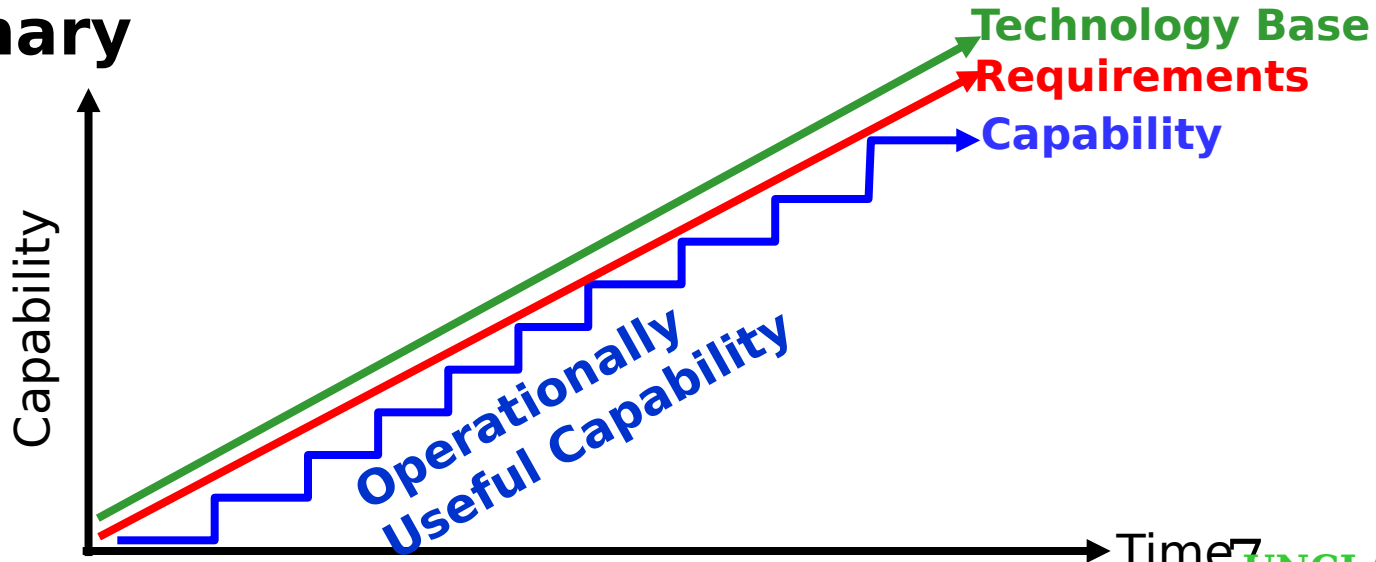
Functional Capabilities Boards

Evolutionary Acquisition

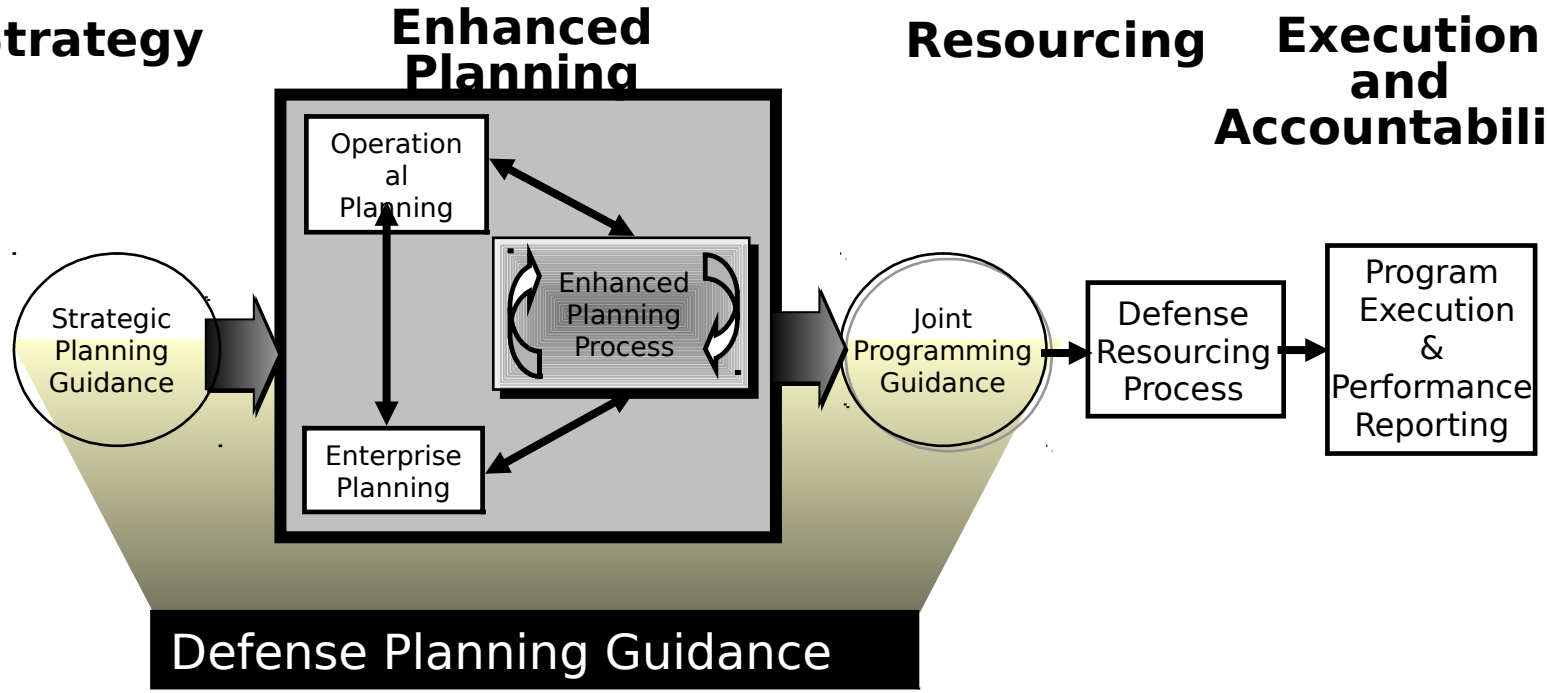
Single Step



Evolutionary



Aldridge Study "End State" Process



Resource-informed strategic planning direction → *Analysis to formulate and assess major issues and risk tradeoffs* → *Fiscally executable Programming guidance*

SPG 06-11 will be the first step in transitioning to the proposed Joint Defense Capabilities Process

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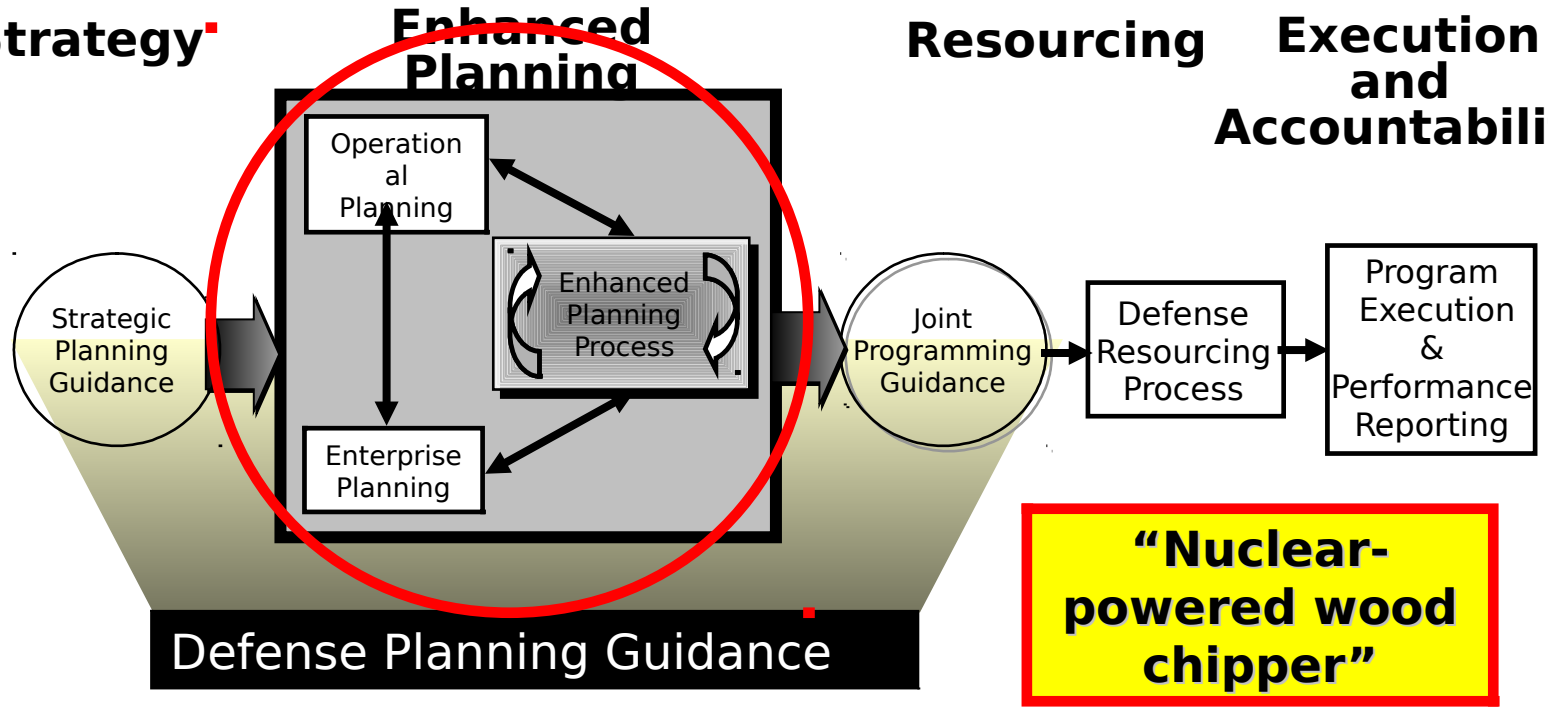


"Nuclear-powered wood chipper"

Resource-informed strategic planning direction → *Analysis to formulate and assess major issues and risk tradeoffs* → *Fiscally executable Programming guidance*

SPG 06-11 will be the first step in transitioning to the proposed Joint Defense Capabilities Process

The "hot, sweaty pile" concept

Concepts

- Joint Operations Concepts
- Joint Operating Concepts
- Functional Concepts

Potential Capability Improvement Areas

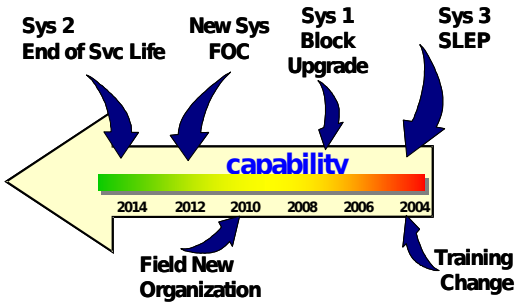
- Integrated Priority List
- Joint Quarterly Readiness Review
- Lessons Learned
- Analysis
- Service Programs
- Strategic Planning Guidance
- Range of Military Operations
- Joint Experimentation
- ACTDs

Joint Integrating Concept

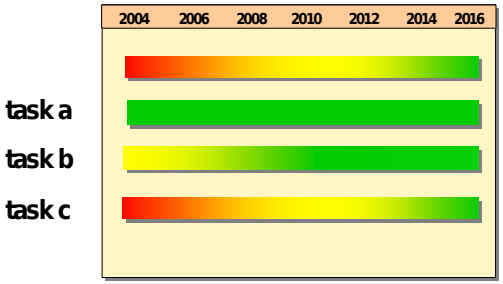
Integrated Architectures

SecDef | **Joint Chiefs of Staff** | **Joint Requirements Oversight Coun**

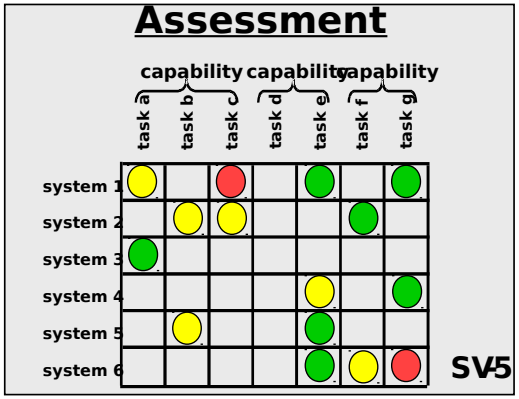
Resource Strategy



Capability Roadmap



Capability Assessment



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"Hot, sweaty pile", change 1

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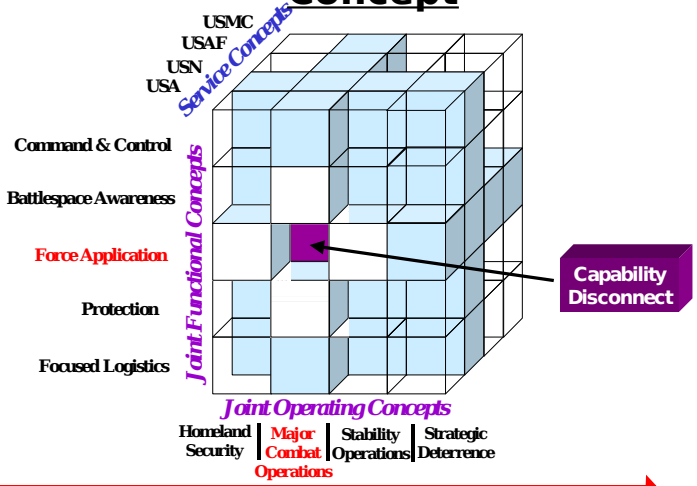
Joint Integrating Concept



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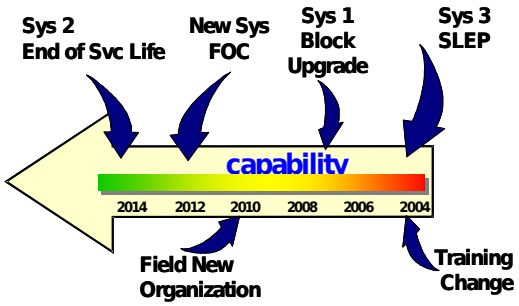

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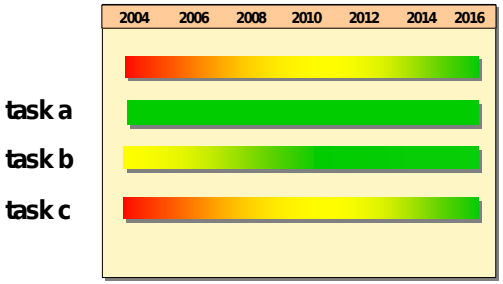

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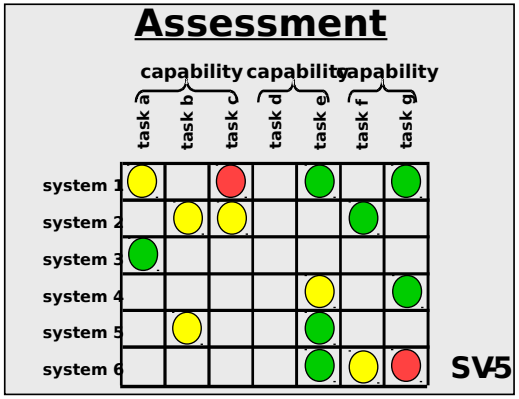

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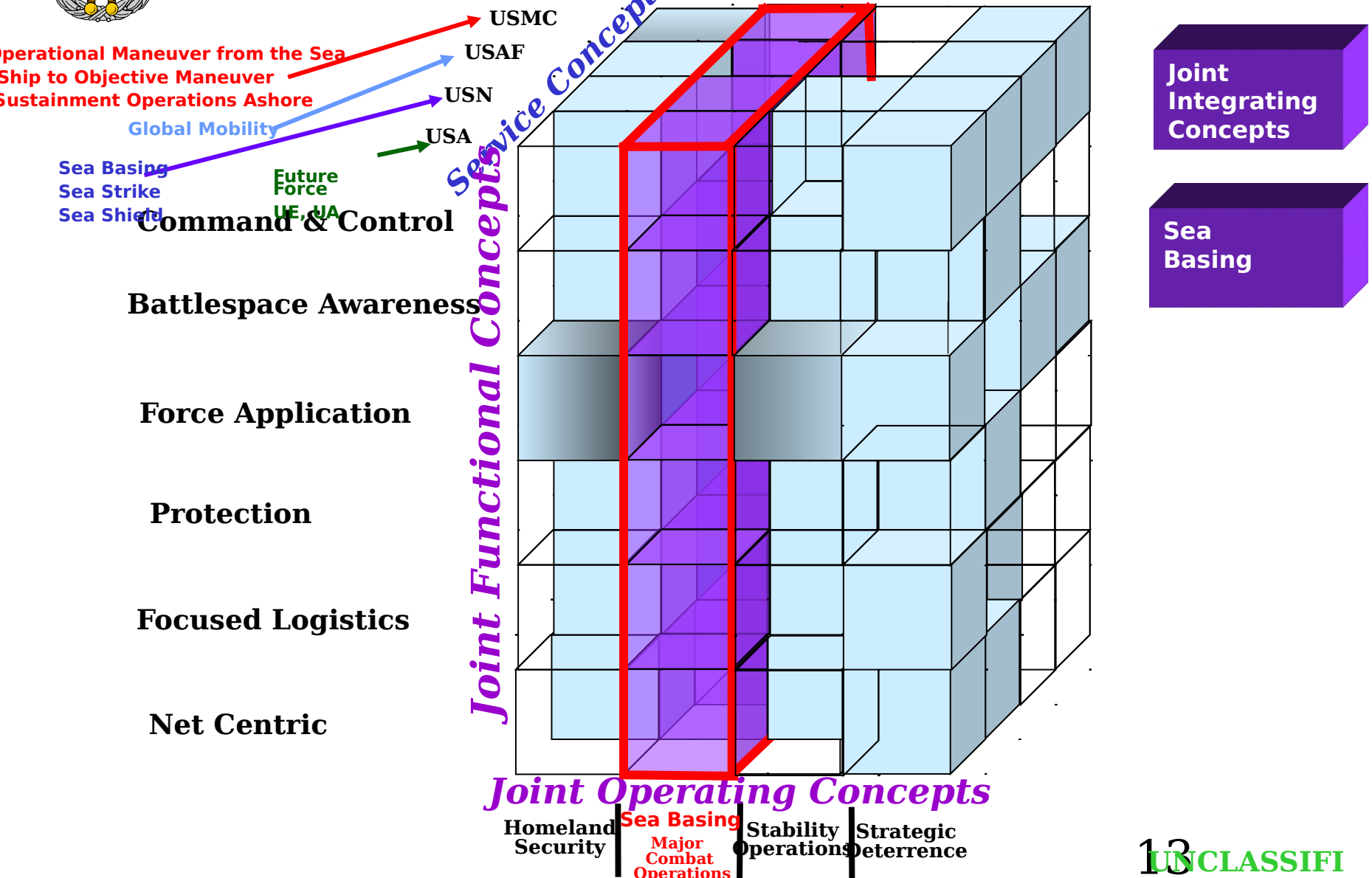
Concept Relationships



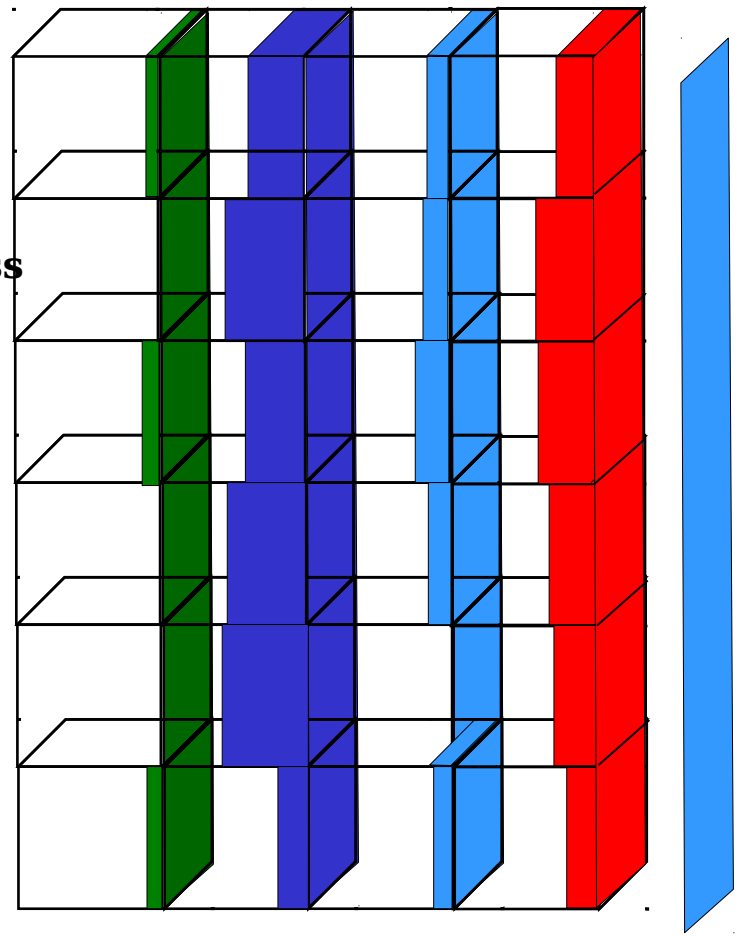
Concept Relationships

Service Concepts

USA USN USAF USMC

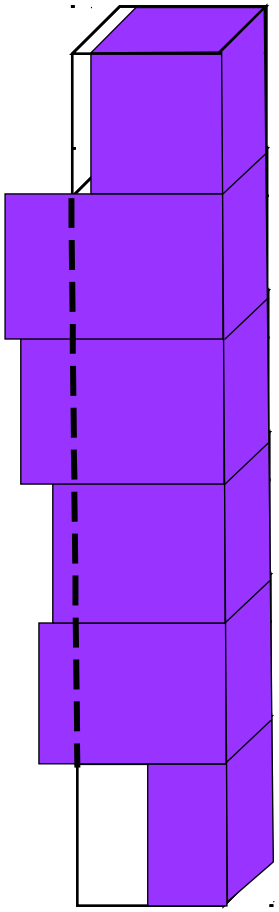
Joint Functional Concepts

- Command & Control
- Battlespace Awareness
- Force Application
- Protection
- Focused Logistics
- Net Centric



Joint Sea Basing Service Capabilities

Joint Sea Basing



Joint Force Gaps Redundancies

UNCLASSIFIED

JCIDS Process

- Strategic Planning Guidance
- Defense Planning Scenarios
- Family of Concepts
- Transformation

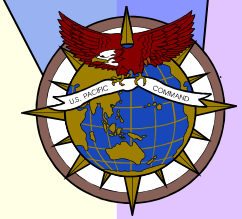
Capabilities Based Assessment

- Capabilities
- Tasks
- Attributes
- Metrics
- Gaps
- Shortfalls
- Redundancies
- Risk areas
- Non-materiel alternatives
- Materiel alternatives
- S+T initiatives
- Experimentation

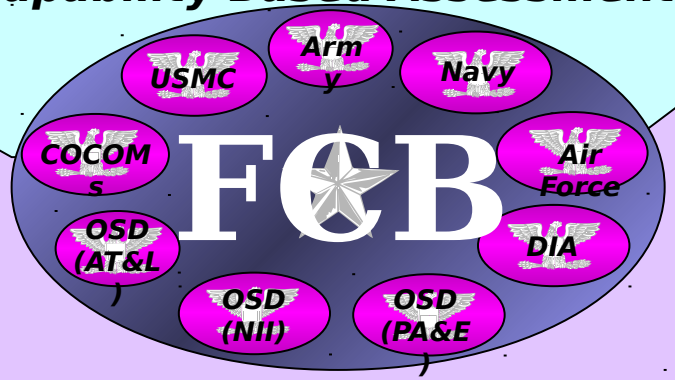
activity

Select a JIC | Develop Concept | Functional Area Analysis | Functional Needs Analysis | Functional Solutions Analysis | ICDs

Capability Based Assessment



COCOM



oversight

Joint Chiefs of Staff & Joint Requirements Oversight Council | Joint Staff / OSD

SecDef *Policy* | *Requirements*

JCIDS Process

- Strategic Planning Guidance
- Defens Plannin Scenari
- Family of Concepts

Cornerston e for CBA

Capabilities Based Assessment

- Capabilities
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activity Transformation

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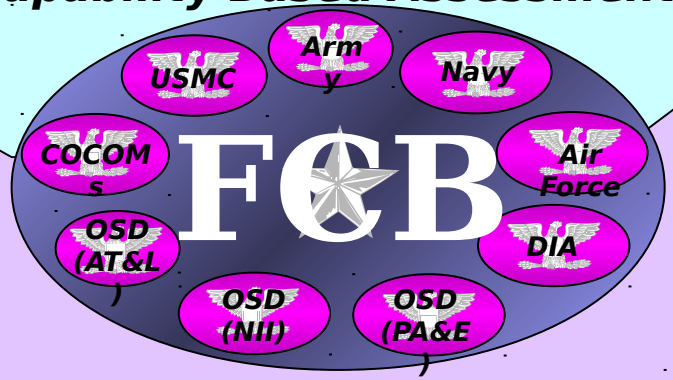

COCOM

Foundation for acquisition process

oversight

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SecDef *Policy* | *Requirements*

JCIDs interaction with Acquisition Process

- Refined concept
- Analysis of Alternatives
- Technology Development Strategy

- Affordable military-useful increment
- Technology demonstrated
- Initial KPPs

- Revise KPPs
- Detailed design
- System integration
- IOT&E

- LRIP
- FOT&E

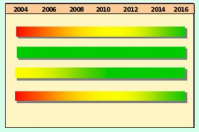
MS "A" MS "B" MS "C"

activity

Analysis of Alternatives → Technology Development → CD → System Development → CPD → Production → *Fielded Capability*

Evolutionary or Spiral Development

OSD (AT&L)



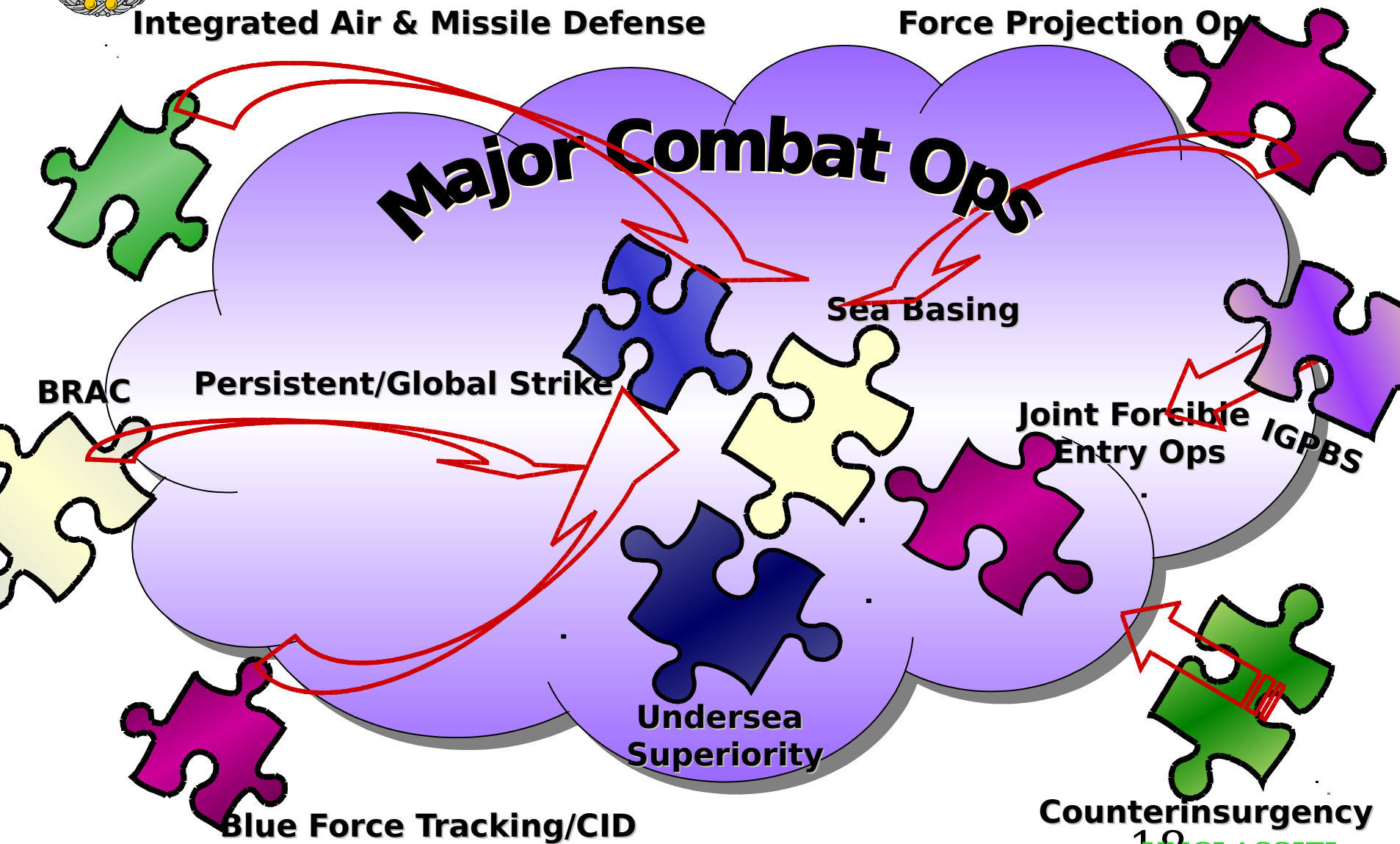
Sea Basing Capability Roadmaps

oversight

OSD (AT&L), Services (JROC) — *Acquisition*

OSD (DOT&E), Services — *Test and Evaluation*

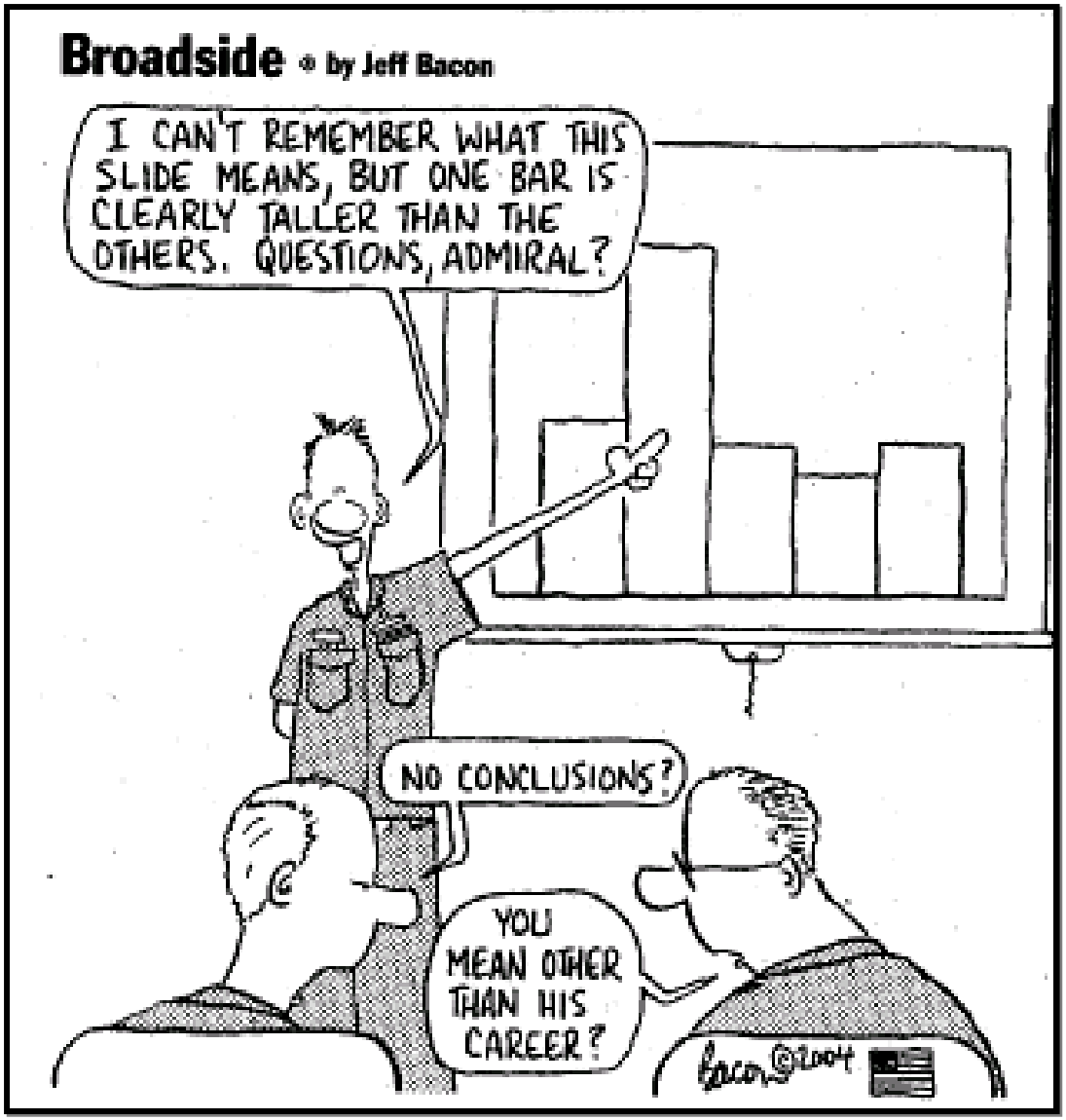
Putting the puzzle together, one piece at a time



Conclusions, thus far, on JICDS

- **Provides an enhanced methodology to identify and describe capabilities gaps and redundancies**
- **Helps to prioritize capability proposals**
- **Facilitates broad review of capability proposals independent of ACAT (Acquisition Category)**
- **Engages the acquisition community early**
- **Improves the identification of non-materiel alternatives**

We still have a ways to go on this "Road of Discovery" but the process is already having a positive impact


Broadside by Jeff Bacon
I CAN'T REMEMBER WHAT THIS SLIDE MEANS, BUT ONE BAR IS CLEARLY TALLER THAN THE OTHERS. QUESTIONS, ADMIRAL?
NO CONCLUSIONS?
YOU MEAN OTHER THAN HIS CAREER?
bacon ©2004

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